Seasonal climate predictions for marine risk assessment in the Barents Sea

Iuliia Polkova[1], Laura Schaffer[2], Øivin Aarnes[3], Johanna Baehr[1]

[1] Institute of Oceanography, Universität Hamburg, CEN, Hamburg, Germany, iuliia.polkova@uni-hamburg.de

[2] Climate Service Center Germany (GERICS), Hamburg, Germany

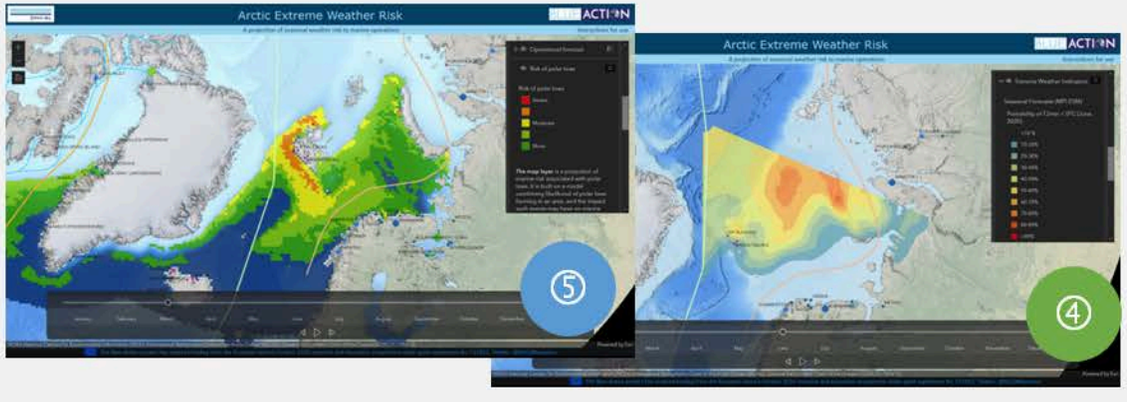
[3] DNV, Bergen, Norway

Initial task: Risk assessment by DNV for safe maritime activities.

Marine risk is assessed as *Probability of extreme event* × *Impact*.

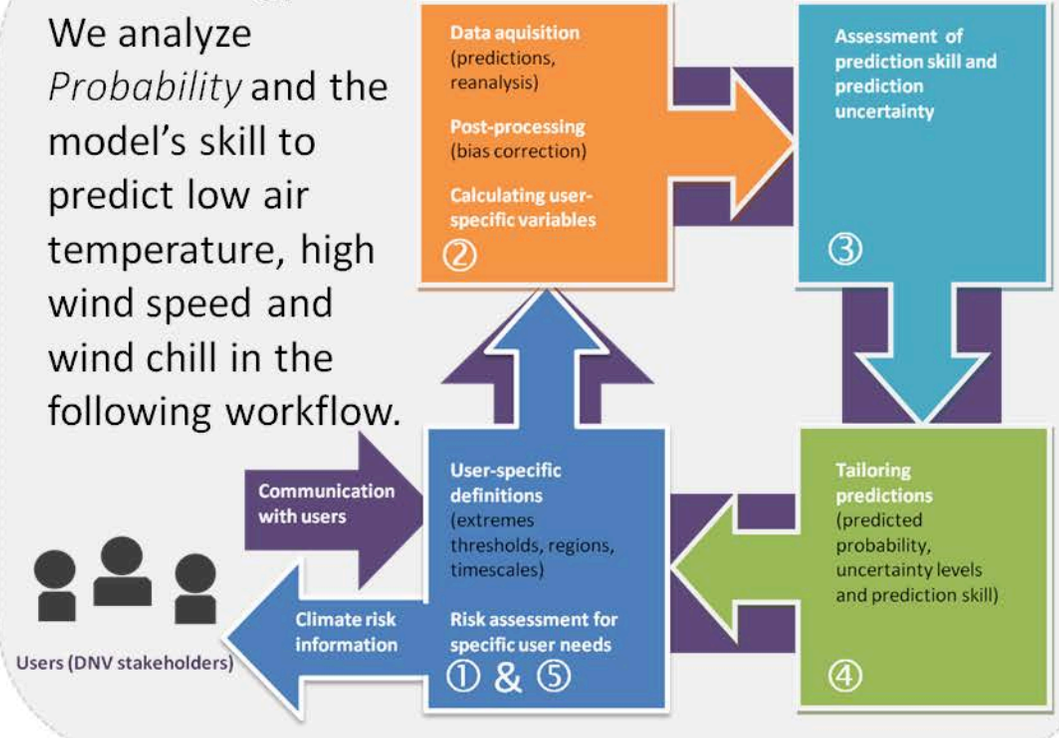
Here, we investigate the potential of using *Predicted Probabilities* from the seasonal climate prediction system.

Result: Seasonal predictions integrated into the Arctic Risk Map.



Methodology:

We analyze *Probability* and the model's skill to predict low air temperature, high wind speed and wind chill in the following workflow.



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